

**To:** Robert Law[rlaw@demaximis.com]  
**Cc:** Sharon Budney[BudneySL@cdm.com]; kirchnersf@cdm.com[kirchnersf@cdm.com]; John.Claussen@CH2M.com[John.Claussen@CH2M.com]; Roger.McCready@CH2M.com[Roger.McCready@CH2M.com]; Willard Potter[otto@demaximis.com]; Stan Kaczmarek[StanK@demaximis.com]  
**From:** Vaughn, Stephanie  
**Sent:** Fri 3/29/2013 12:54:23 PM  
**Subject:** RE: RM 10.9 Removal Action QAPP D - GW Seepage Measurement

Hi Rob,

Here are our comments on Field Modification 130322-1 on the RM 10.9 QAPP Addendum D:

- 1) Conduct calibration of seepage meter post-installation in addition to pre-installation
- 2) We recommend that piezometer nests (2 depths) be installed. They should be installed/monitored prior to seep testing with time to allow them to stabilize.
- 3) Water depth should be recorded at each station at time = 0 and monitored and reported for the entire test period in addition to the seep measurements and piezometric measurements. One continuous monitor could be used with just a start and end time stamped depth measurement at each station. There is no need for a depth meter at each station.

Please let me know if you have any questions.

Thanks,  
Stephanie

**From:** Robert Law [mailto:rlaw@demaximis.com]  
**Sent:** Friday, March 22, 2013 2:24 PM  
**To:** Vaughn, Stephanie  
**Cc:** Sharon Budney; kirchnersf@cdm.com; John.Claussen@CH2M.com; Roger.McCready@CH2M.com; Willard Potter; Stan Kaczmarek  
**Subject:** RM 10.9 Removal Action QAPP D - GW Seepage Measurement  
**Importance:** High

Stephanie:

Attached is Field Modification to QAPP D to conduct groundwater seepage measurements in support of the RM 10.9 cap design. We have been able to schedule Coastal Monitoring Associates (CMA) to conduct the work during the week of April 8; they have limited availability and the current schedule supports the finalizing the cap design. It is CPG's understanding from CMA that they have worked with Marc Greenberg in the past.

The CPG is also preparing an informational notice on the work for the community and river users which we will forward for your review early next week.

R/

Rob

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